

## Communications Trailer

3/2013

\_\_\_\_\_ PASS \_\_\_\_\_ FAIL (Submit failed documentation to COR/CO)

Incident Name \_\_\_\_\_

Incident # \_\_\_\_\_ E #: \_\_\_\_\_

Vendor Name: \_\_\_\_\_ Agreement # \_\_\_\_\_

Equipment VIN/Unit ID# \_\_\_\_\_

Yes: \_\_\_\_\_ No: \_\_\_\_\_ Equipment VIN/Unit ID# matches RESOURCE ORDER

Inspector: (print) \_\_\_\_\_ Agency: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name (print) \_\_\_\_\_

Operator Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Yes: \_\_\_\_\_ No: \_\_\_\_\_ Vehicle Truck /Trailer Passes Safety Inspection: (OF-296)

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### D.2.1.1 Trailer, either cargo or camper style

Yes \_\_\_\_ No \_\_\_\_ Minimum 20' length x 7' wide, excluding tongue. Space shall be partitioned to provide a separate space for radio operators.

Yes \_\_\_\_ No \_\_\_\_ Contractor to provide a technician capable of setting up and providing maintenance on the communications trailer and qualified to maintain and program provided equipment (i.e., radios, computers, etc.)

Yes \_\_\_\_ No \_\_\_\_ Air Conditioning Unit(s): Self contained, climate controlled unit with air conditioning (air conditioned to maintain 70 to 75 F degree temperature in trailer).

Yes \_\_\_\_ No \_\_\_\_ Heating System: Sufficient to provide heating commensurate with the internal trailer dimensions, installed electric base board heaters or propane gas equivalent; no free standing heaters (heating system to maintain 70 to 75 F degree temperature in trailer).

Yes \_\_\_\_ No \_\_\_\_ Unit must meet OSHA work environment requirements.

Yes \_\_\_\_ No \_\_\_\_ Wheel Chocks: Two (2) sets minimum, one set for each side of trailer.

Yes \_\_\_\_ No \_\_\_\_ Trailer stabilizer.

Yes \_\_\_\_ No \_\_\_\_ Awning: The awning is optional but if one is provided it shall be a workable standard trailer awning.

Yes \_\_\_\_ No \_\_\_\_ Windows: Windows are optional but if provided they shall provide for natural lighting and air flow. An undamaged screen will completely surround the window area for windows that can open.

Yes \_\_\_\_ No \_\_\_\_ White boards: Three (3) each, recommend 36" L x 24" H.

- Yes \_\_\_\_ No \_\_\_\_ Cork boards: Three (3) each: Recommend 36" L x 24" H, one each at each work station/work area.
- Yes \_\_\_\_ No \_\_\_\_ Internal Lighting: Sufficient to provide adequate light for night time operations. In addition, all lighting for individual workstations can either be wall mounted or ceiling mounted as long as it produces a light level of 50 average maintained foot-candles at the working surface. This shall be maintained throughout the working space.
- Yes \_\_\_\_ No \_\_\_\_ Outside Lighting: Sufficient to provide light all entrance ways (two way directional security light).
- Yes \_\_\_\_ No \_\_\_\_ Steps: If needed, to provide safe entry/exit from the trailer or unit.
- Yes \_\_\_\_ No \_\_\_\_ Chairs: Provide a chair for each workstation, for a total of three (3) chairs. If the trailer is configured to have more than three (3) workstations, a chair for each workstation is required.
- 1 Yes \_\_\_\_ No \_\_\_\_ All equipment within the trailer shall be surge protected on all electrical, radio, and data devices.

#### D.2.1.2 Work Space:

- Yes \_\_\_\_ No \_\_\_\_ Workstations: Three (3) each desktop/countertop workstations, or work area large enough to accommodate three radio operator stations with chairs. The minimum individual desk top work space provided shall be 18" deep by 36" long, for each work station, [three (3) total]. Wired for phone with headsets at each workstation; wired into a labeled punch box mounted outside.

NOTE: IF a trailer is longer, then the work space provided in a longer trailer should be commensurate with these minimum requirements for work space.

#### D.2.1.3 Electrical Power Requirements:

- Yes \_\_\_\_ No \_\_\_\_ Minimum 120 Volt, 50 Amp AC service entrance with disconnect switch to master breaker.
- Yes \_\_\_\_ No \_\_\_\_ AC 4-plex receptacles at all dispatch stations and work stations. No more than two (2), 4-plex outlets for each 20 amp electrical breaker.
- Yes \_\_\_\_ No \_\_\_\_ One (1) each – 20 foot, 50 Amp, AC service extension cable.
- Yes \_\_\_\_ No \_\_\_\_ AC – 3 pin Twist-Lock to standard 3 pin adapters (20 amp service).
- Yes \_\_\_\_ No \_\_\_\_ Battery Backup: DC (battery) backup with a minimum of 200 AH capacity for initial start-up and power outages. Battery shall have capacity to power all radio equipment for at least one operational period (one shift).
- a. Battery must have a master disconnect or breaker switch.
  - b. Battery must be physically isolated from work area for personnel safety.
  - c. Battery must be a sealed, non-ventilating type, such as gel-cell.
- Yes \_\_\_\_ No \_\_\_\_ Charging System: DC charging system to maintain battery backup
- Yes \_\_\_\_ No \_\_\_\_ Auxiliary Connection: Two (2) each Auxiliary 12 volt connection power points near radio equipment.
- Yes \_\_\_\_ No \_\_\_\_ Power inverter: One (1) each DC to AC power inverter sufficient to operate three (3) laptop computers.

Yes \_\_\_\_ No \_\_\_\_ External Generator: One (1) each AC generator kit to include one (1) generator with a minimum output capacity of 6000 Watts (6Kw), grounding rod, clamp and cable, one (1) each five (5) gallon fuel container meeting all DOT safety specifications. Generator shall not exceed 65 dB(A), Sound Pressure Level @ 7 meters.

#### D.2.1.4 Radio and Electronic Equipment:

Yes \_\_\_\_ No \_\_\_\_ All fixed radio equipment must be ready for immediate use upon arrival at the incident base facility or Incident Command Post (ICP), pending frequency programming.

Yes \_\_\_\_ No \_\_\_\_ The vendor must provide:

- a. All radio frequency programming software and any necessary programming hardware.
- b. Interface devices or personal computers required by the specific manufacturer make and model of radio equipment provided within the trailer unit.

Yes \_\_\_\_ No \_\_\_\_ VHF-FM P25 Digital Base Station consisting of a minimum of one (1) VHF-FM mobile radio(s). Each radio will have a desk mic or handheld mic with a speaker providing sufficient adjustable volume to be heard in a noisy working environment. Programming instructions for user and computer programming will be available.

Yes \_\_\_\_ No \_\_\_\_ UHF-FM Base Station: A minimum of one (1) UHF-FM mobile radio(s). The radio will operate from 406 to 420 MHz (minimum), have the capability for 10 (minimum) preset channels, provide a nominal power output of at least 30 watts minimum, and be user programmable without the need of a computer 25 programming capability is also a requirement). Each radio will have a desk mic or handheld mic with a speaker providing sufficient adjustable volume to be heard in a noisy working environment. Programming instructions for user and computer programming will be available.

Yes \_\_\_\_ No \_\_\_\_ DC POWER TO RADIO EQUIPMENT: Provided by at least one (1) each 12 Volt power supply with an automatic backup switch or relay and have a minimum capacity of 35 Amps

Yes \_\_\_\_ No \_\_\_\_ Base Station Antennas:

- a. VHF-FM – Broadband antenna (Antenna Specialists ASPR7490, Maxrad MWB5803, or equivalent). Note: Antennas supplied with new radios do not meet these requirements.
- b. UHF – Broadband antenna tuned to the proper frequency band for each required base station radio.
- c. At least two (2) magnetic mounted antennas with an 8 foot (minimum) RF cable for both the VHF-FM and UHF-FM frequency bands are required.
- d. Antennas may be mounted on masts or mounted directly to the trailer. Antennas will be placed as far apart from each other as possible for frequency separation. Antennas may be detached from the trailer for transport.

Yes \_\_\_\_ No \_\_\_\_ RF CABLES: RF cable terminations will be accessible from both inside and outside the trailer. VHF cables shall be terminated with 'UHF' connectors. UHF cables shall be terminated with 'N' connectors. A selection of interseries adapters will be provided. All cables will be permanently labeled. In addition to the base station RF cables, there shall be an additional VHF cable from each work position to an outside jack box. All cables shall be RG-213, RG-8, or better cable.

D.2.1.5 Telephone/Internet Service/Access:

Yes \_\_\_\_ No \_\_\_\_ One (1) each telephone service/customer entrance panel to accommodate a minimum of seven (7) pre-wired telephone jacks (RJ-11 all wired back to the RJ-66 surge protected punch down block, pre-wired telephone jacks installed as follows:

- a. one (1) for each workstation, so a total of three (3)
- b. two (2) external phone jacks mounted to the outside of the trailer
- c. two (2) additional jacks located elsewhere in the trailer
- d. seven (7) pre-wired internet ports (RJ-45), mounted either next to or adjacent to the seven (7) pre-wired telephone jacks.

Yes \_\_\_\_ No \_\_\_\_ Three (3) each telephone handsets (One near each work station or work area).

Yes \_\_\_\_ No \_\_\_\_ LAN system (not wireless) capable of providing service to each workstation.

- a. Cat 6 (or better) ran to each workstation shall terminate at a patch panel located inside the trailer for easy connection to a powered switch (i.e., LAN system)
- b. Two (2) Cat 6 (or better) runs from the patch panel to two (2) RJ-45 connections in the entry panel.
- c. Power over Ethernet switch with a minimum 8 port data switch.

Optional Item: Satellite or high speed internet connection which may be made available to support other units in the incident camp.

Yes \_\_\_\_ No \_\_\_\_ Minimum bandwidth: 1.5Meg/s Download speed, 768kbps Upload speed

Yes \_\_\_\_ No \_\_\_\_ Dynamic IP addressing with port address translating or static ip addressing must allow at least 40 internal concurrent host accesses.

Yes \_\_\_\_ No \_\_\_\_ The ability to support for 3DES IPsec tunneling is required to support end to end solutions where remote access is needed.

Yes \_\_\_\_ No \_\_\_\_ Minimum Hardware: WI-FI Access Points: 802.11 A/B/G compatible with WEP key encryption options.

Yes \_\_\_\_ No \_\_\_\_ Browser administrated.

Yes \_\_\_\_ No \_\_\_\_ Power over Ethernet capable.

Yes \_\_\_\_ No \_\_\_\_ POE 8 port data switch.

D.2.1.6 Additional Equipment:

Yes \_\_\_\_ No \_\_\_\_ All in one fax, copier, scanner, printer, with two (2) reams of paper appropriate for the machine, for initial start up. In addition to the consumables that come with that equipment at time of dispatch, one (1) additional set of consumables (i.e., toner, ink, or other supplies necessary to keep the all in one operable) is required. The vendor would leave the incident with the same supplies they arrived with (i.e., one (1) set of consumables such as toner, ink, or other supplies necessary to keep the all in one machine operable and two (2) reams of paper).

**Comments:**

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